

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
OFFICE OF AIR MANAGEMENT
and the
Evansville Environmental Protection Agency**

**A- Asphalt Company, Incorporated
6214 Oak Grove Road
Evansville, IN 47715**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F163-10847-00020	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

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one (1) asphalt batch mix dryer, identified as 001 27

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) and the Evansville Environmental Protection Agency. The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary batch mix asphalt plant.

Authorized individual: Walter Woods
Source Address: 6214 Oak Grove Road, Evansville, IN 47715
Mailing Address: 6214 Oak Grove Road, Evansville, IN 47715
Phone Number: 812-479-0855
SIC Code: 2951
County Location: Vanderburgh
County Status: Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (1) one (1) asphalt batch mix dryer, identified as 001, capable of processing 60 tons per hour of aggregate and asphalt oil, equipped with one (1) 16.2 million (MM) British thermal units (Btu) per hour No. 2 distillate fuel oil fired burner (burning No. 4 distillate fuel oil or natural gas as backup fuels), using a cyclone and wet scrubber in series for particulate matter (PM) control (ID CE001A), exhausting at one (1) stack (ID No. S/V-001).

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
- (b) Fuel oil-fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
 - (1) one (1) asphalt hot oil heater, identified as 004, with a maximum capacity of 1.2 mmBtu per hour.
- (c) Paved and unpaved roads and parking lots with public access.
- (d) Activities or categories of activities with individual and combined HAP emissions less than insignificant thresholds:
 - (1) one (1) 10,000 gallon asphalt storage tank (ID No. T001),
 - (2) one (1) 1,100 gallon #2 Fuel Oil storage tanks (ID No. T002),
 - (3) one (1) 600 gallon #2 Fuel Oil storage tanks (ID No. T003), and
 - (3) one (1) 600 gallon gasoline storage tank (ID No. T004).

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permit Conditions

- (a) This permit shall be used as the primary document for determining compliance with applicable requirements established by previously issued permits.
- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, including any term or condition from a previously issued construction or operation permit, IDEM, OAM, and the Evansville Environmental Protection Agency shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, any applicable definitions found in IC 13-11, 326 IAC 1-2, and 326 IAC 2-7 shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

B.4 Enforceability [326 IAC 2-8-6]

- (a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and the Evansville Environmental Protection Agency.
- (b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under the Clean Air Act.
- (c) All terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by the Evansville Environmental Protection Agency.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

- (b) The Permittee shall furnish to IDEM, OAM, and the Evansville Environmental Protection Agency within a reasonable time, any information that IDEM, OAM, and the Evansville Environmental Protection Agency may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
- (c) Upon request, the Permittee shall also furnish to IDEM, OAM, and the Evansville Environmental Protection Agency copies of records required to be kept by this permit. If the Permittee wishes to assert a claim of confidentiality over any of the furnished records, the Permittee must furnish such records to IDEM, OAM, and the Evansville Environmental Protection Agency along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, to furnish copies of requested records directly to U. S. EPA, and if the Permittee is making a claim of confidentiality regarding the furnished records, the Permittee must furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAM and the Evansville Environmental Protection Agency may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit, except those specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act and is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted under this permit shall contain certification by a authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, on the attached Certification Form, with each submittal.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and the Evansville Environmental Protection Agency on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was based on continuous or intermittent data;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAM, and the Evansville Environmental Protection Agency may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;

- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond its control, the PMP cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
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Evansville, Indiana 47708

- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, and the Evansville Environmental Protection Agency upon request and shall be subject to review and approval by IDEM, OAM, and the Evansville Environmental Protection Agency. IDEM, OAM, and the Evansville Environmental Protection Agency may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAM and the Evansville Environmental Protection Agency, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Management, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967
Evansville EPA Telephone Number: 812-426-5597
Evansville EPA Facsimile Number: 812-426-5651

Failure to notify IDEM, OAM and the Evansville Environmental Protection Agency, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted notice either in writing or facsimile, of the emergency to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAM and the Evansville Environmental Protection Agency, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAM and the Evansville Environmental Protection Agency, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless such failure has caused or contributed to a deviation.

- (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred is a deviation.

- (c) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent. The notification does not need to be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)]
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM and the Evansville Environmental Protection Agency determines any of the following:
- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAM and the Evansville Environmental Protection Agency, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAM and the Evansville Environmental Protection Agency, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM and the Evansville Environmental Protection Agency, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAM and the Evansville Environmental Protection Agency and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

(1) A timely renewal application is one that is:

- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and the Evansville Environmental Protection Agency on or before the date it is due.

(2) If IDEM, OAM and the Evansville Environmental Protection Agency upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAM and the Evansville Environmental Protection Agency takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAM and the Evansville Environmental Protection Agency, any additional information identified as needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-8-10] [326 IAC 2-8-11.1]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1) only if a certification is required by the terms of the applicable rule.

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-1.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAM and the Evansville Environmental Protection Agency, in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAM or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Construction Permit Requirement [326 IAC 2]

A modification, construction, or reconstruction shall be approved if required by and in accordance with the applicable provisions of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAM, and the Evansville Environmental Protection Agency U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.
[326 IAC 2-8-5(a)(4)]

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

The application which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request.
[326 IAC 2-8-11(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-8-4(6)][326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAM, and the Evansville Environmental Protection Agency, within thirty (30) calendar days of receipt of a billing. If the Permittee does not receive a bill from IDEM, OAM the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), emissions of particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3(a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2. The provisions of 326 IAC 9-1-2 are not federally enforceable.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on April 8, 1999. The plan consists of:

- (a) Wetting unpaved roadways as needed.

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.10 Performance Testing [326 IAC 3-6]

-
- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAM.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAM and the Evansville Environmental Protection Agency within forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAM, and the Evansville Environmental Protection Agency, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Compliance with applicable requirements shall be documented as required by this permit. All monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015
and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

in writing, prior to the end of the initial ninety (90) day compliance schedule with full justification of the reasons for inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.12 Maintenance of Monitoring Equipment [326 IAC 2-8-4(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.14 Pressure Gauge Specifications

Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall:

(a) Submit:

- (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
- (2) As a part of the compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP); and
- (3) A verification to IDEM, OAM, and the Evansville Environmental Protection Agency that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.

(b) Provide annual certification to IDEM, OAM, and the Evansville Environmental Protection Agency that the Risk Management Plan is being properly implemented.

All documents submitted pursuant to this condition shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.16 Compliance Monitoring Plan - Failure to Take Response Steps [326 IAC 2-8-4][326 IAC 2-8-5] [326 IAC 1-6]

(a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:

- (1) This condition;
- (2) The Compliance Determination Requirements in Section D of this permit;
- (3) The Compliance Monitoring Requirements in Section D of this permit;
- (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
- (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM and the Evansville Environmental Protection Agency upon request and shall be subject to review and approval by IDEM, OAM, and the Evansville Environmental Protection Agency. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :

- (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:
 - (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
 - (3) An automatic measurement was taken when the process was not operating; or
 - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

The documents submitted pursuant to this condition do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.18 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6. This annual statement must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8) (Emission Statement Operating Year). The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708

- (b) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and the Evansville Environmental Protection Agency on or before the date it is due.

C.19 Monitoring Data Availability

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.

- (e) At its discretion, IDEM and the Evansville Environmental Protection Agency may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements in (a) above.

C.20 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

- (a) Records of all required monitoring data and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAM, and the Evansville Environmental Protection Agency representative. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or the Evansville Environmental Protection Agency makes a written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or the Evansville Environmental Protection Agency within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.21 General Reporting Requirements [326 IAC 2-8-4(3)(C)]

- (a) To affirm that the source has met all the compliance monitoring requirements stated in this permit the source shall submit a Quarterly Compliance Monitoring Report. Any deviation from the requirements and the date(s) of each deviation must be reported. The Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Evansville Environmental Protection Agency
Room 250
101 N.W. Martin Luther King Jr. Blvd
Evansville, Indiana 47708
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, and the Evansville Environmental Protection Agency on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) All instances of deviations as described in Section B- Deviations from Permit Requirements Conditions must be clearly identified in such reports. The Emergency/Deviation Occurrence Report does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

Stratospheric Ozone Protection

C.22 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) one (1) asphalt batch mix dryer, identified as 001, capable of processing 60 tons per hour of aggregate and asphalt oil, equipped with one (1) 16.2 million (MM) British thermal units (Btu) per hour No. 2 distillate fuel oil fired burner (burning No. 4 distillate fuel oil or natural gas as backup fuels), using a cyclone and wet scrubber in series for particulate matter (PM) control (ID CE001A), exhausting at one (1) stack (ID No. S/V-001).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3 (Process Operations), the allowable PM emission rate from the aggregate drying operation shall not exceed 46.29 pounds per hour when operating at a process weight rate of 60 tons per hour.

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.1.2 Particulate Matter 10 Microns (PM-10) [326 IAC 2-8-4]

Pursuant to 326 IAC 2-8-4, particulate matter 10 microns emissions from the aggregate drying operation shall not exceed 22.28 pounds per hour, including both filterable and condensable fractions. Compliance with this limit will satisfy 326 IAC 2-8-4. Therefore, the Part 70 rules (326 IAC 2-7) do not apply.

D.1.3 Sulfur Dioxide (SO₂) [326 IAC 7-1.1]

Pursuant to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), sulfur dioxide emissions from the 16.2 million Btu per hour burner for the aggregate drying operation shall be limited to 0.5 pounds per million Btu heat input or a sulfur content of less than or equal to 0.5% when using distillate oil.

D.1.4 Volatile Organic Compounds (VOCs) [326 IAC 8-5-2]

Any change or modification, that would lead to the use of cutback asphalt or asphalt emulsion, shall obtain approval from the Office of Air Management (OAM), as required by 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving), before such change can occur.

D.1.5 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4)]

During the period between 30 and 36 months after issuance of this permit, the Permittee shall perform PM and PM-10 testing utilizing Method 5 (40 CFR 60, Appendix A) for PM and Method 202 (40 CFR 51, Appendix M) for PM-10, or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. PM-10 includes filterable and condensable PM-10. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

D.1.7 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-3-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed 0.5% by weight by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the 16.2 MMBtu per hour burner for the aggregate dryer, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-2.1.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.1.8 Particulate Matter (PM)

The wet scrubber and cyclone for PM control shall be in operation at all times when the aggregate dryer is in operation and exhausting to the outside atmosphere.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

D.1.9 Visible Emissions Notations

- (a) Daily visible emission notations of the aggregate dryer wet scrubber and cyclone stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.10 Parametric Monitoring

- (a) The Permittee shall record the air flow rate across the cyclone used in conjunction with the aggregate drying operation, at least once daily when the aggregate drying operation are in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the air flow rate across the cyclone shall be maintained above 14,929 acfm or a flow established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.
- (b) The Permittee shall record the pressure drop and flow rate across the wet scrubber used in conjunction with the aggregate drying operation, at least once daily when the aggregate drying operation is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the flow rate of the wet scrubber shall be maintained at a minimum of 70 gallons per minute or a flow rate established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading or flow rate is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

D.1.11 Cyclone Inspections

An inspection shall be performed each calendar quarter of all cyclones controlling the aggregate drying operation when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.

D.1.12 Scrubber or Cyclone Failure Detection

In the event that scrubber or cyclone failure has been observed:

The asphalt mixing and aggregate drying operation will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.13 Record Keeping Requirements

- (a) To document compliance with Condition D.1.3, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the SO₂ emission limits established in D.1.3.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual No.2 or No. 4 fuel oil usage since last compliance determination period;
 - (3) Sulfur content, heat content, and ash content;
 - (4) Sulfur dioxide emission rates.
- (b) To document compliance with Condition D.1.9, the Permittee shall maintain records of daily visible emission notations of the aggregate dryer wet scrubber and cyclone stack exhaust.

- (c) To document compliance with Condition D.1.10, the Permittee shall maintain the following:
 - (1) Daily records of the following operational parameters during normal operation when venting to the atmosphere as pertains to the cyclone:
 - (A) Inlet and outlet differential static pressure.
 - (2) Daily records of the following operational parameters during normal operation when venting to the atmosphere as pertains to the wet scrubber:
 - (A) scrubbing liquid (water) flow rate;
 - (3) Documentation of all response steps implemented, per event .
 - (4) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (5) Quality Assurance/Quality Control (QA/QC) procedures.
 - (6) Operator standard operating procedures (SOP).
 - (7) Manufacturer's specifications or its equivalent.
 - (8) Equipment "troubleshooting" contingency plan.
 - (9) Documentation of the dates vents are redirected.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
AND THE EVANSVILLE ENVIRONMENTAL PROTECTION AGENCY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: A- Asphalt Company, Incorporated
Source Address: 6214 Oak Grove Road, Evansville, IN 47715
Mailing Address: 6214 Oak Grove Road, Evansville, IN 47715
FESOP No.: F163-10847-00020

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT**

COMPLIANCE DATA SECTION

P.O. Box 6015

100 North Senate Avenue

Indianapolis, Indiana 46206-6015

Phone: 317-233-5674

Fax: 317-233-5967

Evansville Environmental Protection Agency

Room 250

101 N.W. Martin Luther King Jr. Blvd

Evansville, Indiana 47708

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: A- Asphalt Company, Incorporated
Source Address: 6214 Oak Grove Road, Evansville, IN 47715
Mailing Address: 6214 Oak Grove Road, Evansville, IN 47715
FESOP No.: F163-10847-00020

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2

9 1. This is an emergency as defined in 326 IAC 2-7-1(12)
CThe Permittee must notify the Office of Air Management (OAM), within four **(4)** business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
CThe Permittee must submit notice in writing or by facsimile within two **(2)** days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

9 2. This is a deviation, reportable per 326 IAC 2-8-4(3)(C)
CThe Permittee must submit notice in writing within ten **(10)** calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency/Deviation:

Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
AND THE EVANSVILLE ENVIRONMENTAL PROTECTION AGENCY**

FESOP Quarterly Report

Source Name: A- Asphalt Company, Incorporated
Source Address: 6214 Oak Grove Road, Evansville, IN 47715
Mailing Address: 6214 Oak Grove Road, Evansville, IN 47715
FESOP No.: F163-10847-00020
Facility: 16.2 mmBtu per hour burner for the aggregate dryer
Parameter: Sulfur dioxide (SO₂)
Limit: sulfur content of fuel not to exceed 0.5%

QUARTER: _____ YEAR: _____

Month	Sulfur Content of Fuel Oil (%)	Heat Content of Fuel Oil (Btu/gal)

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE DATA SECTION
AND THE EVANSVILLE ENVIRONMENTAL PROTECTION AGENCY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY COMPLIANCE MONITORING REPORT**

Source Name: A- Asphalt Company, Incorporated
Source Address: 6214 Oak Grove Road, Evansville, IN 47715
Mailing Address: 6214 Oak Grove Road, Evansville, IN 47715
FESOP No.: F163-10847-00020

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (eg. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed By: _____
Title/Position: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Management
and the
Evansville Environmental Protection Agency**

**Technical Support Document (TSD) for a Federally Enforceable Operating
Permit (FESOP)**

Source Background and Description

Source Name: A- Asphalt Company, Incorporated
Source Location: 6214 Oak Grove Road, Evansville, IN 47715
County: Vanderburgh
SIC Code: 2951
Operation Permit No.: F163-10847-00020
Permit Reviewer: Phillip Ritz/EVP

The Office of Air Management (OAM) has reviewed a FESOP application from A- Asphalt Co., Inc. relating to the operation of a batch mix asphalt plant.

Permitted Emission Units and Pollution Control Equipment

The source also consists of the following unpermitted facilities/units:

- (a) one (1) asphalt batch mix dryer, identified as 001, capable of processing 60 tons per hour of aggregate and asphalt oil, equipped with one (1) 16.2 million (MM) British thermal units (Btu) per hour No. 2 distillate fuel oil fired burner (burning No. 4 distillate fuel oil or natural gas as backup fuels), using a cyclone and wet scrubber in series for particulate matter (PM) control (ID CE001A), exhausting at one (1) stack (ID No. S/V-001).

Unpermitted Emission Units and Pollution Control Equipment Requiring ENSR

There are no unpermitted facilities operating at this source during this review process.

New Emission Units and Pollution Control Equipment Receiving Prior Approval

There are no new emission units and pollution control equipment receiving prior approval during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
- (b) Fuel oil-fired combustion sources with heat input equal to or less than two (2) million Btu per hour and firing fuel containing less than five-tenths (0.5) percent sulfur by weight.
 - (1) one (1) asphalt hot oil heater, identified as 004, with a maximum capacity of 1.2 mmBtu per hour.
- (c) Paved and unpaved roads and parking lots with public access.

- (d) Activities or categories of activities with individual and combined HAP emissions less than insignificant thresholds:
 - (1) one (1) 10,000 gallon asphalt storage tank (ID No. T001),
 - (2) two (2) 1,100 #2 Fuel Oil storage tanks (ID Nos. T002 and T003), and
 - (3) one (1) 600 gallon gasoline storage tank (ID No. T004).

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) Evansville EPA Certificate of Operation 020-AST-001, issued on November 10, 1997.

All conditions from previous approvals were incorporated into this FESOP.

Enforcement Issue

- (a) IDEM is aware that the source is not in compliance with the following:
 - (1) 326 IAC 2-8-2 (Federally Enforceable Operating Permit (FESOP))
Pursuant to 326 IAC 2-8-2 (Federally Enforceable Operating Permit (FESOP)), a source required to have a Part 70 Permit as described in 326 IAC 2-7-2(a) may apply to the commissioner for a FESOP. Until the commissioner has issued a FESOP for the source, the source is subject to all applicable requirements of 326 IAC 2-7. If the commissioner has not issued a source that exists on December 14, 1995, a final FESOP by December 14, 1996, the source must comply with all provisions of 326 IAC 2-7.
- (b) IDEM is reviewing this matter and has taken appropriate action. The compliance schedule in this proposed permit will satisfy the requirements of the above stated requirement.

Recommendation

The staff recommends to the Commissioner that the FESOP be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP application for the purposes of this review was received on April 8, 1999.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Appendix A, pages 1 through 9.)

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

Pollutant	Potential To Emit (tons/year)
PM	8,416.86
PM-10	1,184.74
SO ₂	40.50
VOC	3.25
CO	2.71
NO _x	10.84

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential Emissions (tons/year)
Acetaldehyde	0.168
Arsenic	0.000
Benzene	0.092
Beryllium	0.000
Cadmium	0.001
Chromium	0.005
Ethylbenzene	0.867
Formaldehyde	0.226
Lead	0.001
Manganese	0.001
Mercury	0.000
Nickel	0.012
Quinone	0.071
Toluene	0.473
Total POM*	0.033
Xylene	1.130
TOTAL	3.081

*total POM includes 2-Methylnaphthalene, Acenaphthalene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, and Pyrene.

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM-10 is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

No previous emission data has been received from the source.

Limited Potential to Emit

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Limited Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Aggregate drying	202.75	97.61	40.50	3.25	2.71	10.84	3.08
Bin Loading/ Conveying	0.62	0.30	0.00	0.00	0.00	0.00	0.00
*Unpaved Roads	3.09	1.08	0.00	0.00	0.00	0.00	0.00
*Storage Piles	0.02	0.01	0.00	0.00	0.00	0.00	0.00
Other Insignificant Activities	negl.	negl.	negl.	negl.	negl.	negl.	negl.
Total Emissions	206.48	99.00	40.50	3.25	2.71	10.84	3.08

* These activities also qualify as insignificant activities (see Insignificant Activities).

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Vanderburgh County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

There are no New Source Performance Standards (326 IAC 12) applicable to this facility.

- (a) The hot mix asphalt batch plant is not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.90 through 60.93, Subpart I) "Standards of Performance for Hot Mix Asphalt Facilities", because it was constructed prior to the applicability date June 11, 1973.
- (b) The one (1) 10,000 gallon liquid asphalt storage tanks (Tanks 001), the two (2) 1,100 #2 Fuel Oil storage tanks (ID Nos. T002 and T003) and the one (1) 600 gallon gasoline storage tank (ID No. T004) are not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.110b, Subpart Kb) "Standards of Performance for Volatile Organic Liquid Storage Vessels" since each tank was installed prior to the applicability date of July 23, 1984.

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs), 40 CFR Part 63, applicable to this source.

State Rule Applicability - Entire Source

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source has submitted a Preventive Maintenance Plan (PMP) on April 8, 1999. This PMP has been verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 because it has the potential to emit NO_x into the air at levels greater than ten (10) tons per year and is located in Vanderburgh County. Pursuant to this rule, the owner/operator of this facility must annually submit an emission statement of the facility. The annual statement must be received by April 15 of each year and must contain the minimum requirements as specified in 326 IAC 2-6-4.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). The cyclone and baghouse controlling the aggregate dryer particulate emissions shall be in operation at all times when the aggregate dryer is in operation and total PM-10 emissions shall not exceed 22.28 pounds per hour or 97.61 tons per year (99 tons/yr - 2.39 tons/yr from other sources). Therefore, the requirements of 326 IAC 2-7 do not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

326 IAC 6-5 (Fugitive Particulate Matter Emissions Limitations)

This batch mix hot mix asphalt plant is subject to 326 IAC 6-5, for a new source which has not received all the necessary preconstruction approvals before December 13, 1985. Pursuant to the rule, a fugitive dust plan must be submitted, reviewed and approved. The source's submitted, reviewed and approved fugitive dust control plan consists of the following:

- (a) Fugitive particulate matter emissions from plant roadways leading into and around the plant shall be controlled by watering, applying dust suppressant, paving or any other acceptable means

State Rule Applicability - Individual Facilities

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not subject to 326 IAC 2-2 (PSD) as it has accepted federally enforceable operation conditions which limit emissions of PM-10 to below 250 tons per 12-month period. Also, controlled PM emissions are below 250 tons per year. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

326 IAC 6-3-2 (Process Operations)

The particulate matter (PM) from the aggregate drying operation shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

$$46.29 = 55.0 (60)^{0.11} - 40 \quad \text{where } E = 46.29 \text{ pounds per hour} \\ P = 60 \text{ tons per hour}$$

According to the emission calculations, when operating with the cyclone and wet scrubber as control the aggregate drying operation has a potential to emit (PTE) PM of 7.68 pounds per hour (equivalent to 33.66 tons per year), and the source is in compliance with the requirement. (See emission calculations, page 7 of 8).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The sulfur dioxide emissions from the 16.2 MMBtu/hr dryer burning distillate oil shall be limited to 0.5 lb/MMBtu heat input. This equates to a fuel oil sulfur content limit of 0.5%. Therefore, the sulfur content of the fuel must be less than or equal to 0.5% in order to comply with this rule (See Appendix A, Page 7 of 8 for detailed calculations). The source will comply with this rule by using No. 2, or No. 4 distillate fuel oil with a maximum sulfur content of 0.5% or less in the dryer burner (ID 001).

326 IAC 7-2-1 (Sulfur Dioxide Reporting Requirements)

The 16.2 MMBtu per hour aggregate dryer burner is subject to 326 IAC 7-2-1 (Reporting Requirements). This rule requires the source to submit to the Office of Air Management upon request records of sulfur content, heat content, fuel consumption, and sulfur dioxide emission rates based on a calendar-month average.

326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving)

This source does not produce or utilize cutback asphalt, therefore, the requirements of 326 IAC 8-5-2 (Miscellaneous Operations: Asphalt Paving) do not apply.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAM, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous

compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

- (a) The aggregate dryer has applicable compliance monitoring conditions as specified below:
- (1) Daily visible emission notations of the aggregate dryer wet scrubber and cyclone stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.
 - (2) The Permittee shall record the air flow rate across the cyclone used in conjunction with the aggregate drying operation, at least once daily when the aggregate drying operation are in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the air flow rate across the cyclone shall be maintained above 14,929 acfm or a flow established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.
 - (3) The Permittee shall record the pressure drop and flow rate across the wet scrubber used in conjunction with the aggregate drying operation, at least once daily when the aggregate drying operation is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the flow rate of the wet scrubber shall be maintained within 6.0 to 8.0 inches of water at a minimum of 70 gallons per minute or a pressure drop and flow rate established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading or flow rate is outside of the above mentioned range for any one reading.
 - (4) An inspection shall be performed each calendar quarter of all cyclones controlling the aggregate drying operation when venting to the atmosphere. A cyclone inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors.
 - (5) In the event that scrubber or cyclone failure has been observed the aggregate drying operation will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an

emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

These monitoring conditions are necessary because the scrubber and cyclone for the aggregate drying process must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 188 hazardous air pollutants (HAPs) set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) FESOP Application Form GSD-08.

- (a) This source will emit levels of air toxics less than those which constitute a major source according to Section 112 of the 1990 Clean Air Act Amendments.
- (b) See attached calculations for detailed air toxic calculations. (Appendix A, Page 8 of 8)

Conclusion

The operation of this batch mix asphalt plant shall be subject to the conditions of the attached proposed **(FESOP No.: F163-10847-00020)**.

Company Name:
 Plant Location:
 County:
 Date Received:
 Permit Reviewer:

A Asphalt Co.
6214 Oak Grove Road, Evansville, IN 47715
Vanderburgh
April 8, 1999
PR/EVP

**** hot oil heater (ID005)****

The following calculations determine the amount of emissions created by the combustion of #2 distillate fuel oil
 @ 0.50 % sulfur, from hot oil heating, based on 8,760 hours of use and US EPA's AP-42,
 5th Edition, Section 1.3 - Fuel Oil Combustion, Tables 1.3-2, 1.3-4, and 1.3-8.

Criteria Pollutant:	1.12 MMBtu/hr * 8,760 hr/yr	* Ef (lb/1,000 gal) = (ton/yr)
	140,000 Btu/gal * 2,000 lb/ton	

P M:	2.0 lb/1000 gal =	0.07 ton/yr
P M-10:	1.3 lb/1000 gal =	0.05 ton/yr
S O 2:	71.0 lb/1000 gal =	2.49 ton/yr
N O x:	20.0 lb/1000 gal =	0.70 ton/yr
V O C:	0.34 lb/1000 gal =	0.01 ton/yr
C O:	5.0 lb/1000 gal =	0.18 ton/yr

**** aggregate dryer burner (ID001)****

The following calculations determine the amount of emissions created by natural gas combustion, from the aggregate dryer burner, based on 8,760 hours of operation.
Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1 and 1.4-2, SCC #1-01-006-02, #1-02-006-02, #1-03-006-02, #1-03-006-03

Criteria Pollutant:	16.2 MMBtu/hr * 8,760 hr/yr	* Ef (lb/MMcf) = (ton/yr)
	140,000 Btu/cf * 2,000 lb/ton	

P M:	7.60 lb/MMcf =	0.00 ton/yr
P M-10:	7.60 lb/MMcf =	0.00 ton/yr
S O 2:	0.6 lb/MMcf =	0.00 ton/yr
N O x:	100.0 lb/MMcf =	0.05 ton/yr
V O C:	5.5 lb/MMcf =	0.00 ton/yr
C O:	84.0 lb/MMcf =	0.04 ton/yr

The following calculations determine the amount of emissions created by the combustion of #2 distillate fuel oil
@ 0.50 % sulfur, from the aggregate dryer burner, based on 8,760 hours of use and
US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Tables 1.3-2, 1.3-4, and 1.3-7.

Criteria Pollutant:	16.2 MMBtu/hr * 8,760 hr/yr	* Ef (lb/1,000 gal) = (ton/yr)
	140,000 Btu/gal * 2,000 lb/ton	

P M:	2.0 lb/1000 gal =	1.01 ton/yr
P M-10:	1.3 lb/1000 gal =	0.66 ton/yr
S O 2:	71.0 lb/1000 gal =	35.98 ton/yr
N O x:	20.0 lb/1000 gal =	10.14 ton/yr
V O C:	0.34 lb/1000 gal =	0.17 ton/yr
C O:	5.0 lb/1000 gal =	2.53 ton/yr

The following calculations determine the amount of emissions created by the combustion of #4 distillate fuel oil
@ 0.50 % sulfur, from the aggregate dryer burner, based on 8,760 hours of use and
US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Tables 1.3-2, 1.3-4, and 1.3-7.

Criteria Pollutant:	16.2 MMBtu/hr * 8,760 hr/yr	* Ef (lb/1,000 gal) = (ton/yr)
	140,000 Btu/gal * 2,000 lb/ton	

P M:	7.0 lb/1000 gal =	3.55 ton/yr
P M-10:	1.5 lb/1000 gal =	0.76 ton/yr
S O 2:	75.0 lb/1000 gal =	38.01 ton/yr
N O x:	20.0 lb/1000 gal =	10.14 ton/yr
V O C:	0.20 lb/1000 gal =	0.10 ton/yr
C O:	5.0 lb/1000 gal =	2.53 ton/yr

Since the three fuels cannot be operated concurrently, the maximum potential emissions from the aggregate dryer due to fuel combustion is as follows:

Criteria Pollutant:		Worst Case Fuel
P M:	3.55 ton/yr	No. 4 Fuel Oil
P M-10:	0.76 ton/yr	No. 4 Fuel Oil
S O 2:	38.01 ton/yr	No. 4 Fuel Oil
N O x:	10.14 ton/yr	No. 2 Fuel Oil/No. 4 Fuel Oil
V O C:	0.17 ton/yr	No. 2 Fuel Oil
C O:	2.53 ton/yr	No. 2 Fuel Oil/No. 4 Fuel Oil

The following calculations determine the amount of worst case emissions created by aggregate drying before controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Tables 11.1-2 and 11.1-9 for a batch mix dryer which has the capability of combusting either fuel oil or natural gas:

Pollutant:	Ef	lb/ton x	60	ton/hr x	8,760 hr/yr
			2,000	lb/ton	

Criteria Pollutant:

P M:	32	lb/ton =	8,409.60 ton/yr
P M-10:	4.5	lb/ton =	1,182.60 ton/yr
VOC:	0.011647	lb/ton =	3.06 ton/yr

The VOC emission factor for aggregate drying includes HAP emissions which are assumed to be VOC.

*** * conveying / handling (ID004)* ***

The following calculations determine the amount of emissions created by material handling, based on 8.760 hours of use and AP-42, Section 13.2.4, Equation 1. The emission factor for calculating PM emissions is calculated as follows:

PM-10 Emissions:

$$E = k * (0.0032) * ((U/5)^{1.3} / (M/2)^{1.4})$$

$$= 1.12E-03 \text{ lb PM-10/ton}$$

$$2.37E-03 \text{ lb PM/ton}$$

where k = 0.35 (particle size multiplier for <10um)
 0.74 (particle size multiplier for <30um)

U = 12 mph mean wind speed
 M = 4.5 material moisture content (%)

$$\frac{60 \text{ ton/hr} * 8,760 \text{ hrs/yr} * \text{Ef (lb/ton of material)}}{2,000 \text{ lb/ton}} = (\text{ton/yr})$$

Total PM 10 Emissions: 0.30 tons/yr
Total PM Emissions: 0.62 tons/yr

**** storage (Fugitive ID 003)****

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$$\begin{aligned}
 E_f &= 1.7 \cdot (s/1.5) \cdot (365-p)/235 \cdot (f/15) \\
 &= 5.56 \text{ lb/acre/day} \\
 \text{where } s &= 4.8 \% \text{ silt} \\
 p &= 125 \text{ days of rain greater than or equal to 0.01 inches} \\
 f &= 15 \% \text{ of wind greater than or equal to 12 mph} \\
 E_p (\text{storage}) &= \frac{E_f \cdot sc \cdot (20 \text{ cuft/ton}) \cdot (365 \text{ day/yr})}{(2,000 \text{ lb/ton}) \cdot (43,560 \text{ sqft/acre}) \cdot (12 \text{ ft})} \\
 \text{where } sc &= 400 \text{ tons storage capacity} \\
 PM &= 0.02 \text{ tons/yr} \quad P M-10: 35\% \text{ of } PM = 0.01 \text{ tons/yr}
 \end{aligned}$$

**** unpaved roads ****

The following calculations determine the amount of emissions created by vehicle traffic on unpaved roads, based on 8760 hours of use and AP-42, Ch 11.2.1.

$$\begin{aligned}
 &8.57 \text{ trip/hr} \times \\
 &0.0568 \text{ mile/trip} \times \\
 &2 \text{ (round trip) } \times \\
 &8760 \text{ hr/yr} = 8528.31552 \text{ miles per year}
 \end{aligned}$$

$$\begin{aligned}
 E_f &= k \cdot 5.9 \cdot (s/12) \cdot (S/30) \cdot (W/3)^{0.7} \cdot (w/4)^{0.5} \cdot ((365-p)/365) \\
 &= 0.72 \text{ lb/mile} \\
 \text{where } k &= 0.8 \text{ size multiplier} \\
 s &= 4.8 \% \text{ silt content of unpaved roads} \\
 p &= 125 \text{ days of rain greater than or equal to 0.01 inches} \\
 S &= 10 \text{ miles/hr vehicle speed} \\
 W &= 5 \text{ tons average vehicle weight} \\
 w &= 6 \text{ wheels}
 \end{aligned}$$

$$\frac{0.72 \text{ lb/mi} \times 8528.31552 \text{ mi/yr}}{2000 \text{ lb/ton}} = 3.09 \text{ tons/yr}$$

$$P M-10: 35\% \text{ of } PM = 1.08 \text{ ton/yr}$$

**** summary of source emissions before controls ****

Criteria Pollutants:

P M:	8,418.88 ton/yr	
P M-10:	1,186.04 ton/yr	
S O 2:	40.50 ton/yr	
N O x:	10.84 ton/yr	
V O C:	3.25 ton/yr	(VOCs include HAPs from aggregate drying operation)
C O:	2.71 ton/yr	

**** source emissions after controls ****

aggregate drying:		nonfugitive	
P M:	8,415 ton/yr x	0.4%	emitted after controls =
P M-10:	1,185 ton/yr x	0.4%	emitted after controls =
			33.66 ton/yr
			4.74 ton/yr
conveying & handling		fugitive	
P M:	0.62 ton/yr x	50%	emitted after controls =
P M-10:	0.30 ton/yr x	50%	emitted after controls =
			0.31 ton/yr
			0.15 ton/yr
storage piles:		fugitive	
P M:	0.02 ton/yr x	50%	emitted after controls =
P M-10:	0.01 ton/yr x	50%	emitted after controls =
			0.01 ton/yr
			0.00 ton/yr
unpaved roads:			
P M:	3.09 ton/yr x	50%	emitted after controls =
P M-10:	1.08 ton/yr x	50%	emitted after controls =
			1.55 ton/yr
			0.54 ton/yr

**** summary of source emissions after controls ****

Criteria Pollutant:	Total	
	PM:	35.53 ton/yr
	PM-10:	5.43 ton/yr
	S O 2:	40.50 ton/yr
	N O x:	10.84 ton/yr
	V O C:	3.25 ton/yr
	C O:	2.71 ton/yr

(VOCs include HAPs from aggregate drying operation)

Pollutant	Uncontrolled Emissions (tons/yr)	Controlled/Limited Emissions (tons/yr)	
PM	8,416.86	35.53	
PM10	1,184.74	5.43	
SO2 (1)	40.50	40.50	
NOx	10.84	10.84	
VOC (2)	3.25	3.25	
CO	2.71	2.71	
HAPs	3.08	3.08	

**** miscellaneous ****

326 IAC 7 Compliance Calculations:

The following calculations determine the maximum sulfur content of distillate fuel oil allowable by 326 IAC 7:

$$0.5 \text{ lb/MMBtu} \times 140,000 \text{ Btu/gal} = 70 \text{ lb/1000gal}$$

$$70 \text{ lb/1000gal} / 142 \text{ lb/1000 gal} = 0.50 \%$$

Sulfur content must be less than or equal to 0.50% to comply with 326 IAC 7.

326 IAC 6-3-2 Compliance Calculations:

The following calculations determine compliance with 326 IAC 6-3-2 for process weight rates in excess of 30 tons per hour:

$$\text{limit} = 55 * (60^{0.11}) - 40 = 46.29 \text{ lb/hr or } 202.75 \text{ ton/yr}$$

PM emissions from the aggregate dryer are controlled to 33.64 tons/yr < 202.75 tons/yr (Will comply)

PM-10 Emission Limit:

$$= (99.0 \text{ tons PM-10/yr} - .64 \text{ tons PM-10/yr from other sources}) / 98.6 \text{ tons PM-10/yr} = 22.5 \text{ lbs/hr}$$

PM-10 emissions from the aggregate dryer are controlled to 4.73 tons/yr < 98.2 tons/yr (Will comply)

40 CFR Part 60.90, Subpart I (Standards of Performance for Hot Mix Asphalt Plants) Compliance Calculations:

This asphalt plant was constructed prior to June 11, 1973, therefore, 40 CFR Part 60.90, Subpart I does not apply.

Hazardous Air Pollutants (HAPs)

** aggregate dryer burner**

The following calculations determine the amount of HAP emissions created by the combustion of distillate fuel oil before & after controls @ 0.50 % sulfur, from the aggregate dryer burner, based on 8760 hours of use and US EPA's AP-42, 5th Edition, Section 1.3 - Fuel Oil Combustion, Table 1.3-11.

Hazardous Air Pollutants (HAPs):	16.2	MMBtu/hr * 8760 hr/yr		* Ef (lb/10 ¹² Btu) = (ton/yr)
		2,000 lb/ton		
			Potential To Emit	Limited Emissions
Arsenic	4.2	lb/10 ¹² Btu =	2.98E-04 ton/yr	1.19E-06 ton/yr
Beryllium:	2.5	lb/10 ¹² Btu =	1.77E-04 ton/yr	7.10E-07 ton/yr
Cadmium:	11	lb/10 ¹² Btu =	7.81E-04 ton/yr	3.12E-06 ton/yr
Chromium:	67	lb/10 ¹² Btu =	4.75E-03 ton/yr	1.90E-05 ton/yr
Lead:	8.9	lb/10 ¹² Btu =	6.32E-04 ton/yr	2.53E-06 ton/yr
Manganese:	14	lb/10 ¹² Btu =	9.93E-04 ton/yr	3.97E-06 ton/yr
Mercury:	3	lb/10 ¹² Btu =	2.13E-04 ton/yr	8.51E-07 ton/yr
Nickel:	170	lb/10 ¹² Btu =	1.21E-02 ton/yr	4.83E-05 ton/yr
		Total HAPs =	1.99E-02 ton/yr	7.96E-05 ton/yr

** aggregate drying: batch-mix plant **

The following calculations determine the amount of HAP emissions created by aggregate drying before & after controls, based on 8,760 hours of use and USEPA's AP-42, 5th Edition, Section 11.1 - Hot Mix Asphalt Plants, Table 11.1-9 for a batch mix dryer which can be fired with either fuel oil or natural gas. The HAP emission factors represent the worst case emissions (natural gas combustion).

Pollutant:	Ef	lb/ton x	60	ton/hr x	8760 hr/yr
			2000	lb/ton	

Hazardous Air Pollutants (HAPs):			Potential To Emit	Limited Emissions
Acetaldehyde:	6.40E-04	lb/ton =	0.17 ton/yr	0.17 ton/yr
Benzene:	3.50E-04	lb/ton =	0.09 ton/yr	0.09 ton/yr
Ethylbenzene:	3.30E-03	lb/ton =	0.87 ton/yr	0.87 ton/yr
*Formaldehyde:	8.60E-04	lb/ton =	0.23 ton/yr	0.23 ton/yr
Quinone:	2.70E-04	lb/ton =	0.07 ton/yr	0.07 ton/yr
Toluene:	1.80E-03	lb/ton =	0.47 ton/yr	0.47 ton/yr
**Total Polycyclic Organic Matter (POM):	1.27E-04	lb/ton =	0.03 ton/yr	0.03 ton/yr
Xylene:	4.30E-03	lb/ton =	1.13 ton/yr	1.13 ton/yr
		Total HAPs :	3.06 ton/yr	3.06 ton/yr

* The emission factor for formaldehyde from fuel oil firing (0.0032 lb/ton) exceeds the formaldehyde emission factor from natural gas firing (0.00086 lb/ton). Consequently, the worst case emissions for formaldehyde are 1.68 ton/yr. However, since the VOC emissions from natural gas combustion exceed the VOC emissions from fuel oil firing, the natural gas emission factor was used to avoid overestimating total VOC emissions.

** total POM includes 2-Methylnaphthalene, Acenaphthalene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, and Pyrene.

**** summary of source HAP emissions potential to emit ****

Hazardous Air Pollutants (HAPs):

Acetaldehyde:	0.168	ton/yr
Arsenic:	0.000	ton/yr
Benzene:	0.092	ton/yr
Beryllium:	0.000	ton/yr
Cadmium:	0.001	ton/yr
Chromium:	0.005	ton/yr
Ethylbenzene:	0.867	ton/yr
Formaldehyde:	0.226	ton/yr
Lead:	0.001	ton/yr
Manganese:	0.001	ton/yr
Mercury:	0.000	ton/yr
Nickel:	0.012	ton/yr
Quinone:	0.071	ton/yr
Toluene:	0.473	ton/yr
Total POM:	0.033	ton/yr
Xylene:	1.130	ton/yr
Total:	3.081	ton/yr

**** summary of source HAP limited emissions ****

Hazardous Air Pollutants (HAPs):

Acetaldehyde:	0.168	ton/yr
Arsenic:	0.000	ton/yr
Benzene:	0.092	ton/yr
Beryllium:	0.000	ton/yr
Cadmium:	0.000	ton/yr
Chromium:	0.000	ton/yr
Ethylbenzene:	0.867	ton/yr
Formaldehyde:	0.226	ton/yr
Lead:	0.000	ton/yr
Manganese:	0.000	ton/yr
Mercury:	0.000	ton/yr
Nickel:	0.000	ton/yr
Quinone:	0.071	ton/yr
Toluene:	0.473	ton/yr
Total Polycyclic Organic Matter:	0.033	ton/yr
Xylene:	1.130	ton/yr
Total:	3.061	ton/yr